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(Modified) PTO/SB/21 (6-98)
Approved for use through 09/30/2000. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/609,296
		Filing Date	June 27, 2003
		First Named Inventor	Poul Baad Rasmussen
		Group Art Unit	1647
		Examiner Name	Seharaseyon, J.
Total Number of Pages in This Submission		Attorney Docket Number	0228us420

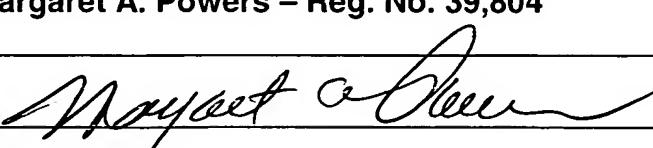
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<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below): Copies of Int'l PCT Search Report & Preliminary Examination Report for PCT/DK00/00417; Int'l Search Report for PCT/DK02/00128;
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Please charge Deposit Account No. 50-0990 for any additional fees associated with this paper or during the pendency of this application, including any extensions of time for consideration of the documents enclosed.

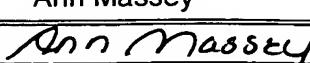
Remarks	Copies of PTO/SB/08A-B forms from parent appn 10/084,706 & grandparent appn 09/648,569; Supplemental IDS & PTO/SB/08A-B form (with copies of 3 references); Return Postcard
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Margaret A. Powers – Reg. No. 39,804
Signature	
Date	July 27, 2006

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On 27 July 2006

By Ann Massey
Ann Massey

Attorney Docket No. 0228us420

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Poul B. Rasmussen, *et al.*

Examiner: J. Seharaseyon

Application No.: 10/609,296

Art Unit: 1647

Filed: June 27, 2003

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER
37 CFR § 1.97 and § 1.98

For: Interferon-Beta Variants and Conjugates

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
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Sir:

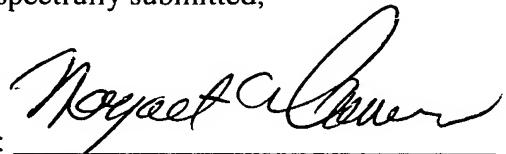
The references cited on attached form PTO/SB08A-B are being called to the attention of the Examiner. Copies of the cited references – except cited U.S. patents and U.S. patent application publications – are enclosed. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the “references cited” on any patent to issue therefrom.

As provided for by 37 CFR §§ 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Poul B. Rasmussen, et al.
Application No: 10/609,296
Page 2 of 2

Applicant believes that no fee is required for submission of this Information Disclosure statement, since it is being submitted prior to the first Office Action on the merits. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 50-0990. Please deduct any additional fees from or credit any overpayment to the above-noted Deposit Account.

Respectfully submitted,

By: 
Margaret A. Powers
Reg. No. 39,804

July 27, 2006
Maxygen, Inc.
Intellectual Property Department
515 Galveston Drive
Redwood City, California 94063
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Customer No. 30560

<p>Substitute for form 1449A-B/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>	<p>Complete if Known</p> <table border="0"> <tr> <td>Application Number</td> <td>10/084,706 10/609,296</td> </tr> <tr> <td>Filing Date</td> <td>February 26, 2002 June 27, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Rasmussen, et al.</td> </tr> <tr> <td>Group Art Unit</td> <td>1647</td> </tr> <tr> <td>Examiner Name</td> <td>J. Seharaseyon</td> </tr> <tr> <td>Attorney Docket Number</td> <td>0228us410 0228us420</td> </tr> </table>	Application Number	10/084,706 10/609,296	Filing Date	February 26, 2002 June 27, 2003	First Named Inventor	Rasmussen, et al.	Group Art Unit	1647	Examiner Name	J. Seharaseyon	Attorney Docket Number	0228us410 0228us420
Application Number	10/084,706 10/609,296												
Filing Date	February 26, 2002 June 27, 2003												
First Named Inventor	Rasmussen, et al.												
Group Art Unit	1647												
Examiner Name	J. Seharaseyon												
Attorney Docket Number	0228us410 0228us420												

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	4	O'CONNELL, <i>et al.</i> , "The Influence of Flanking Sequences on O-Glycosylation", <i>Biochemical and Biophysical Research Communications</i> , 1991, pp. 1024-1030, 180:2.	

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A-B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	09/648,569 10/609,296
		Filing Date	August 25, 2000 June 27, 2003
		First Named Inventor	A. H. Pedersen Poul B. Rasmussen
		Group Art Unit	1647
		Examiner Name	J. Seharaseyon
		Attorney Docket Number	0202us810 0228us420

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
	1	5,206,344		Katre et al.	04/27/1993
	2	5,738,846		Greenwald et al.	04/14/1998

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office	Number	Kind Code (if known)		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appeal
	3	EP	0 370 205	A2	Kyowa Hakko Kogyo Co., Ltd.	05/30/1990
	4	EP	0 529 300	B1	Rentschler Biotechnologie GmbH & Co.	03/03/93
	5	EP	0 529 300 (English language translation of document #4)	B1	Rentschler Biotechnologie GmbH & Co.	03/03/93
	6	WO	95/27502	A1	Research Development Foundation	10/19/1995
	7	WO	98/35026	A1	Novo Nordisk A/S	08/13/1998
	8	WO	99/55377	A2	Applied Research Systems	11/04/1999

OTHER ART - NON PATENT LITERATURE DOCUMENTS						T
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T
	9	Derwent Abstract 012152872 for WO 98/48018, a German publication cited in previous IDS Form-1449.				
	10	Derwent Abstract 009442954 for EP 539 300, a French publication cited in previous IDS Form-1449.				

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		Application Number	09/648,589 10/609,296
		Filing Date	August 25, 2000 JUNE 27, 2003
		First Named Inventor	Andere, Hjelholt Pedersen Pou/Rasmussen
		Group Art Unit	1639-1647
		Examiner Name	Unassigned J. Seharaseyon
		Attorney Docket Number	31-107600US 0228U5420

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
AA	4,588,585			Mark et al.	05-13-1986	
AB	4,686,191			Itoh et al.	08-11-1987	
AC	4,769,233			Bell et al.	09-06-1988	
AD	4,904,584			Shaw	02-27-1990	
AE	4,914,033			Bell et al.	04-03-1990	
AF	4,917,888			Katre et al.	04-17-1990	
AG	4,966,843			McCormick et al.	10-30-1990	
AH	5,218,092			Sasaki et al.	08-06-1993	
AI	5,376,567			McCormick et al.	12-27-1994	
AJ	5,382,657			Hoffmann-La Roche Inc.	01-17-1995	
AK	5,545,723			Goelz et al.	08-13-1996	
AL	5,795,779			McCormick et al.	08-18-1998	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
AM	WO	95/25170			Biogen, Inc.	09-21-1995		
AN	WO	98/48018			Fraun-Hofer-Gesellschaft Zur Forderung Der Angewandten	10-29-1998		
AO	WO	99/03887			Bolder Biotechnology	01-28-1999		
AP	WO	99/55377			Applied Research	11-04-1999		
AQ	WO	99/67291			Immunex Corporation	12-29-1999		
AR	WO	00/23114			Biogen, Inc.	04-27-2000		

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Substitute for form 1449A-B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	-09/648,569 10/609, 296
		Filing Date	August 25, 2000 June 27, 2003
		First Named Inventor	Anders Hjelholt Pedersen Pou / Rasmussen
		Group Art Unit	1633 1647
		Examiner Name	Unassigned J. Seharaseyoun
		Attorney Docket Number	31-107600US 022805420

	AS	WO	00/23472		Biogen, Inc.	04-27-2000		
	AT	WO	00/26354		Novo Nordisk	05-11-2000		
	AU	EP	083 069		Kyowa Hakko Kogyo Co., Ltd.	09-16-1987		
	AV	EP	041 313		Biogen, Inc.	09-12-1990		
	AW	EP	229 108		Cetus Corporation	12-27-1990		
	AX	EP	260 350		Cetus Corporation	02-12-1992		
	AY	EP	287 075		Arzneimittelforschung /Drug Research	01-18-1995		
	AZ	EP	539 300		Philippe Thiriet	02-07-1996		
	BA	EP	593 868		Hoffmann-La Roche Inc.	04-15-1998		

OTHER PRIOR ART - NON PATECNT LITERATURE DOCUMENTS

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	BB	Fierlbeck et al., "Neutralising interferon β antibodies in melanoma patients treated with recombinant and natural interferon β " <u>Cancer Immunol Immunother</u> (1994) 39:263-268	
	BC	Karpusas et al., "The Structure of Human Interferon- β : Implications for activity" <u>CMLS</u> 54 (1998) 1203-1216	
	BD	Karpusas et al. "The crystal structure of human interferon β at 2.2 A resolution" <u>Proc. Nat. Acad. Sci. USA</u> (1997) 94:11813-11818	
	BE	Mayorga et al., "Antibodies to Commercially Available Interferon-Bet Molecules in Multipule Sclerosis Patients Treated with Natural Interferon-Beta" <u>Int. Arch. Allery Immunol</u> 1999; 118:368-371	
	BF	Munschauer et al., "Managing Side Effects of Interferon-Beta in Patients with Relapsing-Remitting Multipule Sclerosis" <u>Clinical Therapeutics</u> vol. 19, No. 5, 1997 883-893	
	BG	Redlich et al., "Antibodies that neutralize human β interferon biologic activity recognizing a linear epitope: Analysis by synthetic peptide mapping" <u>Proc. Natl. Acad. Sci. USA</u> vol. 88, pp. 4040-4044 May 1991	

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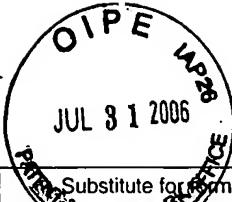
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Substitute for form 1449A-B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known
Application Number	09/648,569 10/609,296	
Filing Date	August 25, 2000 June 27, 2003	
First Named Inventor	Anders Hjelholt Pedersen Poul Rasmussen	
Group Art Unit	1633 1647	
Examiner Name	Unassigned J. Seharaseyoy	
Attorney Docket Number	31-107600US 0228us 420	

BH	Rudick et al., "Incidence and significance of neutralizing antibodies to interferon beta-1a in multiple sclerosis" <u>Neurology</u> May 1889, 50: 1266-1272	
BI	Runkel et al., "Structural and Functional Differences Between Glycosylated and Non-Glycosylated Forms of Human Interferon- β (IFN- β) <u>Pharmaceutical Research</u> vol. 15, No 4, 1998, 641-649	
BJ	Runkel et al, 1998, <u>Jour. Biol. Chem.</u> Difference in Activity between α and β Type I Interferons Explored by Mutational Analysis" 273, No. 14, pp. 8003-8008	
BK	Senda et al., "Refined Crystal Structure of Recombinant Murine Interferon- β at 2.15 A Resolution" <u>J. Mil. Biol.</u> (1995) 253, 187-207	
BL	Stewart et al, DNA "Chemical Mutagenesis of Human Interferon- β : Construction, Expression in <u>E. coli</u> , and Biological Activity of Sodium Bisulfite-Induced Mutations Vol 6 no 2 1987 p119-128	
BM	Taniguchi, et al., "The nucleotide sequence of human fibroblast interferon cDNA" <u>Gene</u> 10 (1980) 11-15	
BN	Yong et al., "Interferon beta in the treatment of multiple sclerosis" <u>Neurology</u> 1998; 51: 682-689	

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		Application Number	10/609,296
		Filing Date	June 27, 2003
		First Named Inventor	Poul Baad Rasmussen
		Group Art Unit	1647
		Examiner Name	Jegatheesan Seharaseyon
		Attorney Docket Number	0228us420

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
	1	6,531,122		Pedersen et al.	03-11-2003	
	2	2003/0175240A1 (USSN 10/325,720)		Pedersen et al.	09-18-2003	
	3	2003/0170206A1 (USSN 10/084,706)		Rasmussen et al.	09-11-2003	

FOREIGN PATENT DOCUMENTS								
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		Office	Number	Kind Code (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS							
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	4	Apweiler et al., "On the frequency of protein glycosylation, as deduced from analysis of the SWISS-PROT database," Biochim. Biophys. Acta 1473:4-8 (1999).					
	5	Wells et al., "Additivity of Mutational Effects in Proteins," Biochemistry 29(37):8509-8517 (1990).					
	6	Ngo et al., "Computation Complexity, Protein Structure Prediction, and the Levinthal Paradox," in THE PROTEIN FOLDING PROBLEM AND TERTIARY STRUCTURE PREDICTION, pp. 492-495 (K. Merz Jr. and S. Le Grand, eds., 1994).					

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